

\* \* \* \* \* STN Columbus \* \* \* \* \*

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=> file biosis medline caplus wpids uspatfull  
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\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s oligonucleotide? (3a) synthesis  
L1 28922 OLIGONUCLEOTIDE? (3A) SYNTHESIS

=> s l1 and phosphoramidite (3a) monomer? (7a) (fluorenylmethoxycarbonyl or fmoc)  
L2 3 L1 AND PHOSPHORAMIDITE (3A) MONOMER? (7A) (FLUORENYLMETHOXYCARBO  
NYL OR FMOC)

=> dup rem l2  
PROCESSING COMPLETED FOR L2  
L3 3 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 bib abs 1-3

L3 ANSWER 1 OF 3 USPATFULL on STN  
AN 2006:230180 USPATFULL  
TI Functional biopolymer modification reagents and uses thereof  
IN Schwartz, David A., 1544 Valleda La., Encinitas, CA, UNITED STATES  
92024  
Hogrefe, Richard I., 6045 Dirac St., San Diego, CA, UNITED STATES 92121  
PI US 7102024 B1 20060905  
AI US 2000-630060 20000801 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Crane, L. E.  
LREP David Waller & Assoc.  
CLMN Number of Claims: 26  
ECL Exemplary Claim: 1  
DRWN 23 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 3480  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Hydrazino, oxyamino and carbonyl-based reagents and methods for  
incorporation into oligonucleotides during their solid phase  
synthesis are provided. Modified oligonucleotides are  
provided that incorporate the reagents provided here in. Immobilized  
oligonucleotides and oligonucleotide conjugates that contain covalent  
hydrazone or oxime linkages are provided. Methods for preparation of  
surface bound oligonucleotides are provided. Methods for the preparation

of oligonucleotide conjugates are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 3 USPATFULL on STN  
AN 2005:234348 USPATFULL  
TI Functional biopolymer modification reagents and uses thereof  
IN Schwartz, David A., Encinitas, CA, UNITED STATES  
Hogrefe, Richard I., San Diego, CA, UNITED STATES  
PI US 2005203289 A1 20050915  
AI US 2004-936751 A1 20040908 (10)  
RLI Division of Ser. No. US 2000-630060, filed on 1 Aug 2000, PENDING  
Division of Ser. No. US 2001-815978, filed on 22 Mar 2001, GRANTED, Pat.  
No. US 6800728  
PRAI US 2000-191186P 20000322 (60)  
DT Utility  
FS APPLICATION  
LREP David B. Waller, David B. Waller & Associates, 5677 Oberlin Drive, Suite  
214, San Diego, CA, 92121, US  
CLMN Number of Claims: 56  
ECL Exemplary Claim: 1  
DRWN 23 Drawing Page(s)  
LN.CNT 3845

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hydrazino, oxyamino and carbonyl-based reagents and methods for  
incorporation into oligonucleotides during their solid phase  
synthesis are provided. Modified oligonucleotides are  
provided that incorporate the reagents provided herein. Immobilized  
oligonucleotides and oligonucleotide conjugates that contain covalent  
hydrazone or oxime linkages are provided. Methods for preparation of  
surface bound oligonucleotides are provided. Methods for the preparation  
of oligonucleotide conjugates are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 3 USPATFULL on STN  
AN 2004:233284 USPATFULL  
TI Compositions and methods for the use of Fmoc derivatives in DNA/RNA  
synthesis  
IN Alvarado, Gabriel, San Mateo, CA, UNITED STATES  
PA SYNGEN, INC., San Carlos, CA (U.S. corporation)  
PI US 2004180355 A1 20040916  
AI US 2003-670015 A1 20030924 (10)  
PRAI US 2002-414061P 20020927 (60)  
DT Utility  
FS APPLICATION  
LREP Thomas W. Brown, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street,  
San Francisco, CA, 94105  
CLMN Number of Claims: 5  
ECL Exemplary Claim: 1  
DRWN 5 Drawing Page(s)  
LN.CNT 1064

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of nucleic acid preparation are described, including preparation  
of mRNA, using Fmoc derivatives to synthesize oligonucleotides in  
addition to applying Fmoc protocols to various therapeutic and  
diagnostic methods. In some embodiments a single stranded  
oligonucleotide is synthesized bound to a polymer support (such as optic  
fiber glass filters) using said Fmoc derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.